

INTERNATIONAL WORKSHOP ON RIS

RECONFIGURABLE INTELLIGENT SURFACES



FEB 22-23, 2024

TÉLÉCOM PARIS, 19 PLACE MARGUERITE PEREY,
91120 PALAISEAU

REGISTRATION IS FREE BUT MANDATORY

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SPEAKERS

Mathias FINK (ESPCI, France) - Keynote

Markku JUNTTI (University of Oulu,
Finland)

Mohsen KHALILY (University of Surrey, UK)

Alessio ZAPPONE (University of Cassino,
Italy)

Angeliki ALEXIOU (University of Piraeus,
Greece)

Dinh-Thuy PHAN HUY (Orange, France)

Guodong SUN (Nokia Bell Labs, France)

Vincenzo SCIANCALEPORE (NEC Europe, Germany)

Luis UZEDA GARCIA (Nokia Standards, France)

Valeria LOSCRI (INRIA, France)

Philipp DEL HOUGNE (CNRS, France)

Emilio CALVANESE Strinati (CEA, France)

Reconfigurable Intelligent Surfaces are very promising physical-layer candidates for sixth-generation cellular networks.

This international workshop will cover the main scientific and technological questions underlying this promise: electromagnetism, meta-materials, beamforming, adaptive control, network architecture, and network energy expenditure.



**SCIENTIFIC ORGANISATION BY FRANÇOIS BACCELLI (INRIA), MARCO DI RENZO (CENTRAL SUPELEC)
ADMINISTRATIVE ORGANISER CRISTINA VENITUCCI (LINCS)**



PROGRAM

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FEB, THU 22



9:30 Enregistrement and welcome breakfast

9:50 **Opening remarks : François Baccelli (Inria, FR) et Marco Di Renzo (CNRS, FR)**

10:00 **Mathias FINK (ESPCI, FR): Keynote** - Towards ultrawideband RIS: From Acoustics to Electromagnetism

11:00 **Coffee break**

11:10 **Markku JUNTTI (University of Oulu, FI): 6G System Evolution and Joint Communications and Radar Sensing Design**

12:00 **Lunch Break**

13:30 **Networking around the coffee table**

14:00 **Moshen KHALILY (University of Surrey, UK): Practical Challenges in RIS: Cutting-edge Solutions and Future Prospects**

14:50 **Short break**

15:00 **Alessio ZAPPONE (University of Cassino, IT): Reconfigurable intelligent surfaces for energy-efficient 6G wireless networks**

15:50 **Short break**

16:00 **Angeliki ALEXIOU (University of Piraeus, GR): RIS for 6G - A fast track to Perceptive Networks**

16:50 **Conclusions day 1**

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FEB, FRI 23



8:30 Enregistrement and welcome breakfast

9:00 **Dinh-Thuy PHAN HUY (Orange, FR):** Reconfigurable Intelligent Surfaces for 6G: a network operator point of view

9:50 **Short break**

10:00 **Goudong SUN (Nokia Bell Labs, FR):** Performance Analysis of RIS-assisted MIMO-OFDM Cellular Networks Based on Matern Cluster Processes

10:50 **Coffee break**

11:00 **Vincenzo SCIANCALEPORE (NEC Europe, DE):** Eco-Friendly 6G: Integrating Sustainability with RIS and ISAC Innovations

11:50 **Short break**

12:00 **Luis Uzeda Garcia (Nokia Bell Labs, FR):** RIS from the 3GPP perspective

12:20 **Lunch Break**

13:30 **Networking around the coffee table**

14:00 **Valéria LOSCRI (Inria, FR):** Reconfigurable Intelligent Surfaces: a key-enabler technology for Beyond-5G networks.

14:50 **Short Break**

15:00 **Philipp DEL HOUGNE (CNRS, FR):** Physics Compliant Modeling & Estimation of RIS Parametrized Wireless Channels

15:50 **Short Break**

16:00 **Emilio CALVANESE STRINATI (CEA, FR):** Towards Semantic, Goal-Oriented and Reconfigurable Intelligent Environments aided 6G communications

16:50 **Conclusions**

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